

PERMIT APPLICATION: NRS #06-017

APPLICANT: Tom A Dittamaier
Knoxville Utilities Board
P.O. Box 59017
Knoxville, TN 37950
(865) 558 -2702

LOCATION: Project is located in northeast Knox County adjacent to the existing TVA's Volunteer substation; west of Boruff Road, Knox County.

WATERSHED DESCRIPTION: Surrounding land use is mostly pastoral fields and scattered woodlots. Approximately 0.73 acres of jurisdictional wetland occur in the eastern half of the site. The wetland includes 0.13 acre of emergent wetland ((green ash seedlings, nutsedge, rush) and 0.60 acres of forested wetland (green ash, sweetgum, American elm, red maple) residential with scattered woodlots. A wet weather conveyance also occurs on the site.

PROJECT DESCRIPTION: The applicant proposes to construct a substation adjacent to the existing TVA Volunteer station to provide an alternative power delivery point to both the aging and loaded Knox Infeed Station and the North Knox substation.

The construction will require the placement of fill in 0.42 acres of jurisdictional wetland. The proposed impacts for the most part will occur in the emergent wetland portion with smaller impacts occurring in the forested wetland at the upland/wetland interface. The applicant also proposes to grade and relocate portion of a wet-weather conveyance at the northern portion of the site.

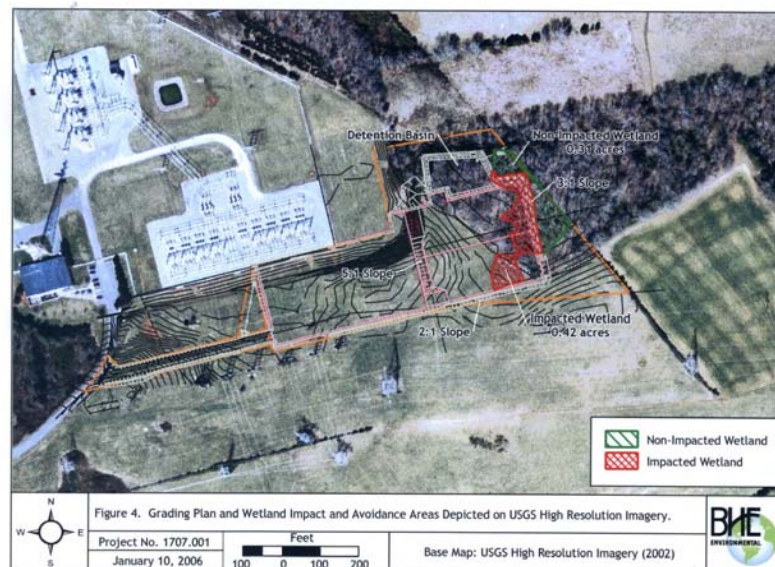
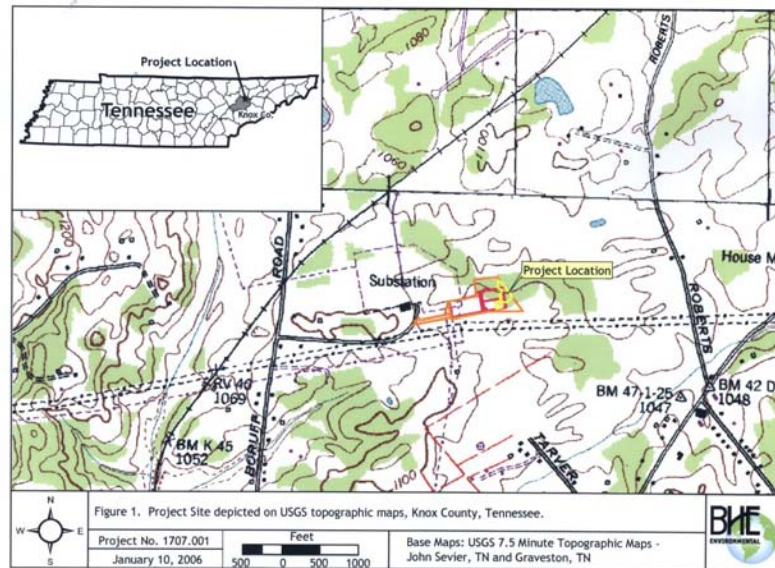
Compensatory wetland mitigation for the placement of fill in 0.42 acres will occur at the Nature Conservancy's Shady Valley Wetland Mitigation Bann

In accordance with the Tennessee Antidegradation Statement (Rule 1200-4-3-.06), the division has determined that the proposed activity will not result in degradation to water quality.

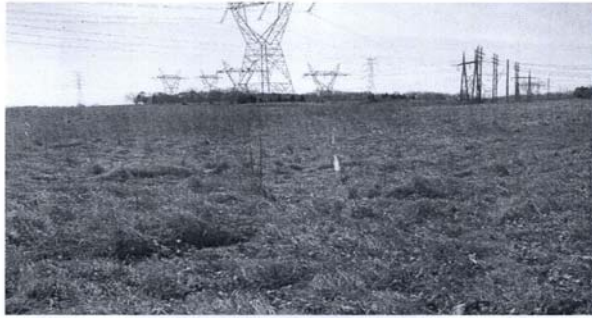
PERMIT COORDINATOR: Mike Lee

TOPOGRAPHICAL QUADRANGLE: John Sevier 146-SE
Graveston 146- NE
36 07' 17.245"
83 48' 40.915"

ARAP #06-017
KNOXVILLE UTILITIES BOARD
PAGE 2.



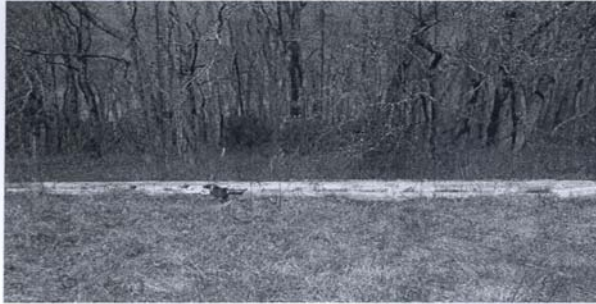
ARAP #06-017
KNOXVILLE UTILITIES BOARD
PAGE 3.



1. View southwest of a portion of the emergent wetland (left) and surrounding upland hayfield (right and background). Flags A16 and A17 are in photo.



2. View southwest of a portion of emergent wetland (center front) and upland hayfield (background). See pink boundary flags in middle ground of photo. Note "hummocky" growth of the fescue.



3. View northeast. Emergent wetland/forested wetland edge. Gray-white objects across middle of photo are old wood utility poles.



4. View northeast of forested wetland and sample point S3. The wetland continues offsite to the northeast.

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